



**State of New Jersey
Board of Public Utilities**

JOB VACANCY

DATE OF POSTING: December 20, 2005

DATE OF CLOSING: January 3, 2006

TITLE: Research Scientist 1

SALARY: \$62,378.48 – 86,058.24

EXISTING VACANCIES: One (1)

DIVISION/LOCATION: Board of Public Utilities
Division of Reliability & Security (Pipeline Safety)
Newark Office

GENERAL DESCRIPTION: Under general supervision of a division director or other supervisory official in a state department, institution, or agency, independently initiates and coordinates a research or developed program in a specified professional field; assumes appropriate administrative and supervisory duties; manages high level technical projects and reports results to designated officials for inter- and intra-agency response; does related work.

Functions as a scientific and technical consultant with expertise in the areas of risk assessment and management of gas transmission pipelines in high consequence areas to evaluate operator compliance with Integrity Management Program requirements.

Applies a working knowledge of natural gas pipelines to perform Integrity Management pipeline safety inspections regarding the design, operations and maintenance of pipelines in order to evaluate baseline assessment plans, identification of threats, including data integration and risk assessment, and assessment methods. Evaluates the analysis of integrity reassessment intervals and the remediation methods of identified anomalies.

Conducts research and analysis of Federal natural gas pipeline safety initiatives regarding compliance planning and procedures.

Supervises and directs specialized gas utility operations research programs in consultation with unit staff in accordance with existing administrative and Federal guidelines. Researches and

analyzes bureau operations and compliance methods, and submits proposals and recommendations as needed in accordance with appropriate scientific methods and techniques.

REQUIREMENTS: Graduation from an accredited college or university with a Master's degree in a discipline appropriate to the position.

NOTE: A Doctorate in a discipline appropriate to the position may be substituted for two (2) years of experience indicated above.

EXPERIENCE: Four (4) years of full-time experience in a field appropriate to the position.

OPEN TO THE FOLLOWING: Open to State employees who are serving in a permanent capacity for an aggregate of at least one (1) year in any competitive title, preceding the posting date and must meet the requirements stated above.

PLEASE FORWARD RESPONSES VIA MAIL, FAX, OR EMAIL:

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